



02-25-02

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Practitioner's Pocket No. 1012-125(2001-023)

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Wang et al.

Application No.: 09/954,449

Group No.: 2856

Filed: 09/17/2001

Examiner: Unknown

For: RAPID THROUGHPUT SURFACE TOPOGRAPHICAL ANALYSIS

Assistant Commissioner for Patents
Washington, D.C. 20231

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Applicants submit this statement in accordance with their duty of disclosure under 37 CFR 1.56 and 1.97-1.98. The submission made herewith is in no way intended as an admission that the cited items constitute material prior art or otherwise would render the claims unpatentable in any way. The submission also is in no way intended to substitute for the Examiner's own independent investigation.

Copies of the references together with a listing on forms PTO/SB/08A and PTO/SB/08B are submitted herewith. Applicants respectfully solicit the Examiner's consideration of the cited references and entry thereof into the record of this application. Applicants are also submitting copies of references cited in a search report (copy enclosed).

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STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 6

Complete if Known

Application Number	09/954,449
Filing Date	09/17/2001
First Named Inventor	Youqi Wang
Group Art Unit	2856
Examiner Name	Unknown
Attorney Docket Number	1012-125(2001-023)

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
		1,870,412		H.T. Kennedy	08/09/1932	
		3,071,961		J. J. Heigl et al.	01/08/1963	
		3,675,475		Weinstein	07/11/1972	
		3,713,328		Aritomi	01/30/1973	
		3,798,960		Glass	03/26/1974	
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		Office ³	Number ⁴	Kind Code ⁵ (if known)				
			JP402297040A		Akaha Toru	12/07/1990		
			WO 00/23921		Symyx Technologies, Inc.	04/27/2000		
			WO 99/18431		Symyx Technologies, Inc.	04/15/1999		
			WO 98/15501		Symyx Technologies, Inc.	04/16/1998		
			WO 00/51720		Symyx Technologies, Inc.	09/08/2000		
			WO 00/67086		Symyx Technologies, Inc.	11/09/2000		
			WO 00/36410		Symyx Technologies, Inc.	06/22/2000		
			WO 00/40331		Symyx Technologies, Inc.	07/13/2000		
			WO 00/17413		Symyx Technologies, Inc.	03/30/2000		
			WO 01/79949		Symyx Technologies, Inc.	10/25/2001		

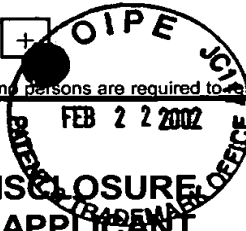
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Application Number	09/954,449		
Filing Date	09/17/2001		
First Named Inventor	Youqi Wang		
Group Art Unit	2856		
Examiner Name	Unknown		
Attorney Docket Number	1012-125(2001-023)		

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		Number	Kind Code ² (if known)			
		4,685,328		Huebner et al.	08/11/1987	
		4,699,000		Lashmore et al.	10/13/1987	
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		Office ³	Number ⁴ (if known)				
			WO 96/11878	Reg. of Univ. of California	04/25/1996		
			0 317 356	Chichibu Cement Ka	05/24/1989		

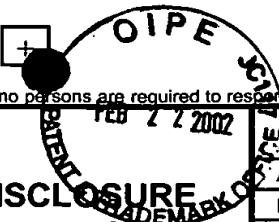
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		First Named Inventor	Youqi Wang
		Group Art Unit	2856
		Examiner Name	Unknown
		Attorney Docket Number	1012-125(2001-023)
Sheet	3	of	6

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		Number	Kind Code ² (if known)			
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		5,452,614		Kato et al.	09/26/1995	
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Sheet 4 of 6

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		Number	Kind Code ² (if known)			
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Examiner Signature		Date Considered	
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Sheet 5 of 6

Application Number	09/954,449
Filing Date	09/17/2001
First Named Inventor	Youqi Wang
Group Art Unit	2856
Examiner Name	Unknown
Attorney Docket Number	1012-125(2001-023)

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		Number	Kind Code ² (if known)			
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Sheet 6 of 6

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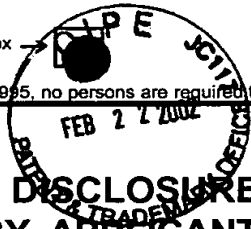
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OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials ²	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		ODIAN, Principles of Polymerization, 3rd Ed., John Wiley & Sons, Inc. (1991)	
		YOUNG, W.C., Roark's Formulas for Stress and Stain, 1989	
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		GROVER, G. et al., "A Screening Technique for Fabric Handle", J. Text. Inst., 1993, 84 No. J. Textile Institute, pp. 486-494.	
		PAN, NING and K.C. Yen, "Physical Interpretations of Curves Obtained Through the Fabric Extraction Process for Handle Measurement," Textile Research Journal 62(5), pp. 279-290 (1992).	
		"Handle-O-Meter", Thwing-Albert Instrument Company, Philadelphia, PA.	
		RAEEL, MASTURA and Jiang Liu, "An Empirical Model for Fabric Hand" Textile Research Journal 62, 1, pp. 31-38 (1991).	
		ALI, S.I. and Shahida Begum, "Fabric Softeners and Softness Perception", Ergonomics, v.37, No. 5, pp. 801-806 (1994).	

Examiner
Signature

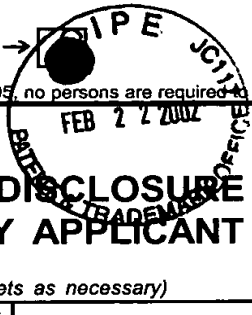
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Attorney Docket Number	1012-125(2001-023)

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

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		"DMA 2980 Dynamic Mechanical Analyer," http://www.tainst.com/dma2.html , 12/29/00	
		"Introducing the NEW DMTA V!", http://www.rheometricsscintific.com/dmtaV.htm , 12/29/00	
		"Standard Test Method for Rubber Property-Intrenational Hardness," American Society for Testing and Materials	
		AMITAY-SADOVSKY, ELLA and H. Daniel Wagner, "Evaluation of Young's Modulus of Polymers from Knoop Microindentation Tests" Polymer Communications, 1998, vol. 39, no. 11, pp. 2387-2390.	
		CALLEJA, F.J. BALTA, "Microhardness Studies of Polymers and Their Transitions" TRIP, December 1994, vol. 2, no. 12, pp. 419-425	
		BOWLT, C., "A Simple Capillary Viscometer" Physics Education, March 1975, vol. 10, no. 2, pp. 102-103	
		LACOMBE, ROBERT H. and Jeremy Greenblatt, "Mechanical Propoerties of Thin Polyimide Films" pp. 647-668	
		SHINOZAKI, D.M. and Y. Lu, "Micro-Indentation Relaxation Measurements in Polymer Thin Films" Journal of Electronic Materials, 1997, vol. 26, no. 7, pp. 852-858	
		WIERENGA, P.E. and A.J.J. Franken, "Ultramicroindentation Apparatus for the Mechanical Characterization of Thin Films" J. Appl. Phys., June 15, 1984, 55 (12).	
		European Search Report dated December 10, 2001	

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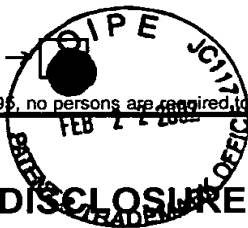
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 0

Complete if Known

Application Number	09/954,449
Filing Date	09/17/2001
First Named Inventor	Youqi Wang
Group Art Unit	2856
Examiner Name	Unknown
Attorney Docket Number	1012-125(2001-023)

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		U.S. Application Serial No. 09/420,334 entitled " Graphic Design of Combinatorial Material Libraries" (Lacy, et al.) filed on October 18, 1999	
		U.S. Patent Application Serial No. 09/305,830 titled "Synthesizing Combinatorial Libraries of Materials" (Rust, et al.) filed on May 5, 1999	
		U.S. Application Serial No. 09/550,549 entitled "Automated Process Control And Data Management System And Methods" (Crevier, et al.) filed on April 14, 2000	
		U.S. Application Serial No. 09/755,623 entitled "Laboratory Database System and Methods For Combinatorial Materials Research" (Dorsett, Jr., et al.) filed on January 5, 2001.	
		The family of applications for U.S. Application Serial No. 09/227,558 entitled, "Apparatus and Method of Research for Creating and Testing Novel Catalysts, Reactions and Polymers" (Turner et al.) filed January 8, 1999	
		U.S. Application Serial No. 09/235,368 entitled "Polymerization Method From the Combinatorial Synthesis and Analysis of Organometallic Compounds and Catalysts" (Weinberg et al.) filed on January 21, 1999	
		U.S. Provisional Application Serial No. 60/122,704 entitled "Controlled, Stable Free Radical Emulsion and Water-Based Polymerizations" (Klaerner et al.) filed on March 9, 1999	
		The family of applications for U.S. Application Serial No. 09/156,827 entitled "Formation of Combinatorial Arrays of Materials Using Solution-Based Methodologies" (Giaquinta et al.) filed September 18, 1998	
		The family of applications for U.S. Application Serial No. 09/567,598 entitled "Polymer Libraries on a Substrate, Method for Forming Polymer Libraries on a Substrate and Characterization Methods with Same" (Boussie et al.) filed May 10, 2000	
		U.S. Application Serial No. 09/579,338 entitled "Rheo-Optical Indexer and Method of Screening and Characterizing Arrays of Materials" (Carlson et al.) filed on May 25, 2000	
		The family of applications for U.S. Application Serial No. 09/580,024 entitled "Instrument for High Throughput Measurement of Material Physical Properties and Method of Using Same" filed on May 26, 2000	

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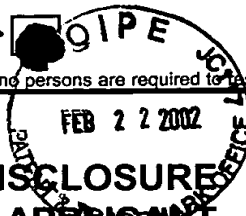
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		U.S. Patent Application Serial No. 09/939,404 entitled "High Throughput Mechanical Property and Bulge Testing of Material Libraries," (D. Hajduk et al.) filed on August 24, 2001.	
		U.S. Patent Application Serial No. 09/939,252 entitled "High Throughput Mechanical Rapid Serial Property Testing of Material Libraries," (P. Manksy) filed on August 24, 2001.	
		U.S. Patent Application Serial No. 09/939,139 entitled "High Throughput Fabric Handle Screening," (M. Kossuth et al.) filed on August 24, 2001.	
		U.S. Patent Application Serial No. 09/939,149 entitled "High Throughput Rheological Testing Of Materials" (Paul Manksy et al.) filed on August 24, 2001.	
		U.S. Patent Application Serial No. 09/939,263 entitled "High Throughput Mechanical Property Testing of Materials Libraries Using Capacitance," (D. Hajduk et al.) filed on August 24, 2001.	
		U.S. Patent Application Serial No. 09/938,994 entitled "High Throughput Mechanical Property Testing of Materials Libraries Using a Piezoelectric," (D. Hajduk) filed on August 24, 2001.	
		The family of applications for U.S. Patent Application Serial No. 09/174,856 titled "Graphic Design of Combinatorial Material Libraries" (Lacy, et al.) filed on October 19, 1998.	
		U.S. Application Serial No. 09/578,997 entitled "High Throughput Viscometer and Method of Using Same" filed May 25, 2000	

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